REMARKS

The Office Action dated July 15, 2004, has been received and carefully considered. In this response, claims 58-68 have been added, and the specification and claims 43 and 44 have been amended. Entry of added claims 58-68, and the amendments to the specification and claims 43 and 44, is respectfully requested. Reconsideration of the outstanding rejections in the present application is also respectfully requested based on the following remarks.

I. THE OBJECTION TO THE SPECIFICATION

On page 2 of the Office Action, the specification was objected to as missing application numbers on Page 1, line 4. Applicant has amended the application to include the correct application numbers.

In view of the foregoing, it is respectfully requested that the aforementioned objection to the specification be withdrawn.

II. THE INDEFINITENESS REJECTION OF CLAIMS 43 AND 44

On page 2 of the Office Action, claims 43 and 44 were rejected under 35 U.S.C. § 112, second paragraph, as being indefinite for failing to particularly point out and distinctly

claim the invention. In particular, claims 43 and 44 recite the limitations "of the first component" and "the dependency of the second component", respectively. The Examiner asserts that there is insufficient antecedent basis for the limitations. Applicant has amended claims 43 and 44 to correct these deficiencies.

In view of the foregoing, it is respectfully requested that the aforementioned indefiniteness objection to claims 43 and 44 be withdrawn.

III. THE ANTICIPATION REJECTION OF CLAIMS 1-3, 6-11, 13, 19-29, 33-41, 45-51 and 53-57

On page 2 of the Office Action, claims 1-3, 6-11, 13, 19-29, 33-41, 45-51 and 53-57 were rejected under 35 U.S.C. § 102(b) as being anticipated by Svedberg et al. (U.S. Patent No. 5,408,218). This rejection is hereby respectfully traversed.

Under 35 U.S.C. § 102, the Patent Office bears the burden of presenting at least a prima facie case of anticipation. In re Sun, 31 USPQ2d 1451, 1453 (Fed. Cir. 1993) (unpublished). Anticipation requires that a prior art reference disclose, either expressly or under the principles of inherency, each and every element of the claimed invention. Id.. "In addition, the prior art reference must be enabling." Akzo N.V. v. U.S.

International Trade Commission, 808 F.2d 1471, 1479, 1 USPQ2d 1241, 1245 (Fed. Cir. 1986), cert. denied, 482 U.S. 909 (1987). That is, the prior art reference must sufficiently describe the claimed invention so as to have placed the public in possession of it. In re Donohue, 766 F.2d 531, 533, 226 USPQ 619, 621 (Fed. Cir. 1985).

Regarding claim 1, the Examiner states that "Svedberg disclosed a system for managing a component based-system (column 2, lines 30-34), comprising: . . . a management core providing a managed object view of each managed object (column 5, lines 1-17) and allowing manipulation of management attributes of each managed object through at least one predetermined event policy (column 10, line 34 to column 11, line 34); predetermined event policy, at least the three bulleted items)."

However, Applicant respectfully submits that Svedberg -- which relates to a system and method for coordinating primary and secondary alarm notifications -- does not teach or suggest "a management core providing a managed object view of each managed object and allowing manipulation of management attributes of each managed object through at least one predetermined event policy," as recited in independent claim 1. While the portions of Svedberg cited by the Examiner generally disclose "attributes" and "purposes" achieved upon receiving an

alarm notification (see three bullet points on Col. 11, lines 22-33), Svedberg does not specifically teach or suggest a management core providing a managed object view of each managed object and allowing manipulation of management attributes of each managed object through at least one predetermined event policy, as expressly required by claim 1. In fact, Applicant respectfully submits that Svedberg does not teach or suggest any functionality that comprises "providing a managed object view" or "allowing manipulation of management attributes."

Regarding claim 21, the Examiner asserts that "Svedberg discloses a system for managing a component-based system, comprising: . . . a management framework including the managed objects and a management event concentrator and allowing manipulation of management attributes of each managed object through at least one predetermined event policy (column 5, lines 2-17; column 11, lines 16-34)."

However, Applicant respectfully submits that Svedberg does not teach or suggest "a management framework including the managed objects and a management event concentrator and allowing manipulation of management attributes of each managed object through at least one predetermined event policy," as recited in independent claim 21. The portion of Svedberg cited by the Examiner generally discloses an overall "Fault Management System

(FMS) (see Col. 5, lines 1-16) and "purposes" achieved upon receiving an alarm notification (see three bullet points on Col. 11, lines 22-33), but does not specifically teach or suggest "a management framework including the managed objects and a management event concentrator and allowing manipulation of management attributes of each managed object through at least one predetermined event policy," as expressly required by claim 21. Applicant respectfully submits that Svedberg does not teach or suggest any feature comprising a "management event concentrator" or any feature that "allow[s] manipulation of management attributes."

Regarding claim 28, the Examiner states that "Svedberg disclosed a method of managing a component-based system (column 2, lines 30-34, column 4, lines 64 to column 5, line 10) comprising: . . . selecting at least one event policy from an event policies storage area (column 11, lines 16-34; event policies provided and therefore must be selected at some point); and associating at least one component event to each selected event policy to configure the component creating a network application, which may include additional configured components (column 11, lines 16-34; event policies clearly associated at some point)." The Examiner also asserts that claims 37, 50 and

55 correspond to the method of claim 28 and as such are rejected in the same manner.

Applicant respectfully submits, however, that Svedberg does not teach or suggest selecting at least one event policy from an event policies storage area; and associating at least one component event to each selected event policy to configure the component creating a network application, which may include additional configured components. Applicant respectfully submits that Svedberg's general disclosure of "attributes" does not teach or suggest selecting at least one event policy from an event policies storage area; and associating at least one component event to each selected event policy to configure the component creating a network application, which may include additional configured components, as expressly required by claim 28. Accordingly, Applicant respectfully submits that claim 28 is allowable. Applicant respectfully submits that independent claims 37, 50 and 55 are allowable for the same reasons.

Regarding claim 38, the Examiner asserts that "Svedberg disclosed a method of managing a component-based system (column 2, lines 30-34), comprising: . . . (b) performing a management event policy associated with the event if the event matches an event stored in a managed object representation of the component (column 11, lines 22-34); and (c) managing the at least one

component using the result of the management event policy performed (column 10, line 34 to column 11, line 34). The Examiner also asserts that claim 56 corresponds to method claim 38 and as such us rejected in the same manner.

Applicant respectfully submits, however, that Svedberg does not teach or suggest performing a management event policy associated with the event if the event matches an event stored in a managed object representation of the component; and managing the at least one component using the result of the management event policy performed, as recited in independent claim 38. While the cited portions of Svedberg generally disclose "attributes," Svedberg does not specifically teach or suggest performing a management event policy associated with the event if the event matches an event stored in a managed object representation of the component; and managing the at least one component using the result of the management event policy performed, as expressly required by independent claim 38. Accordingly, Applicant respectfully submits that claim 38 is allowable. Applicant respectfully submits that independent claim 56 is allowable for the same reasons.

Regarding claim 51, the Examiner asserts that "Svedberg disclosed a method of managing a component based system comprising: registering at least one manager module to monitor a

management event for the network (column 4, lines 64 to column 5, line 17); performing an even policy associated with the event if the event matches a predetermined event policy triggering event (column 11, lines 16-34); transmitting a result of the event policy performance to the at least one manager module if the result of the event policy performance matches the management event monitored by the at least one manager module (column 11, lines 8-34); and using the result of the event policy performance to manage at least the first component and a second component associated with the first component (column 11, lines 63-68; column 12, lines 27-33)." The Examiner also asserts that claims 54 and 57 correspond to the method of claim 51 and as such are rejected in the same manner.

However, Applicant respectfully submits that Svedberg does not teach or suggest registering at least one manager module to monitor a management event for the network; performing an event policy associated with the event if the event matches a predetermined event policy triggering event; transmitting a result of the event policy performance to the at least one manager module if the result of the event policy performance matches the management event monitored by the at least one manager module; and using the result of the event policy performance to manage at least the first component and a second

component associated with the first component, as expressly recited in independent claim 51. For example, Svedberg does not teach or suggest any feature or function comprising "registering at least one manager module to monitor a management event for the network," much less "transmitting a result of the event policy performance to the at least one manager module if the result of the event policy performance matches the management event monitored by the at least one manager module. Further, as stated above, Svedberg's general disclosure of "attributes" and a "Fault Management System (FMS)" does not specifically teach or suggest any of the above claim recitations.

Claims 2-20, 22-27, 29-36, 39-49, and 52-53 are dependent upon independent claim 1, 21, 28, or 37. Thus, since independent claims 1, 21, 28 and 37 should be allowable as discussed above, claims 2-20, 22-27, 29-36, 39-49, and 52-53 should also be allowable at least by virtue of their dependency on independent claim 1. Moreover, these claims recite additional features which are not claimed, disclosed, or even suggested by the cited references taken either alone or in combination. For example, claim 58 recites "wherein at least one management module is configured to communicate with each management object through a management event concentrator." Applicant respectfully submits that Svedberg does not teach or

suggest a management event concentrator, much less a management event concentrator in communication with at least one management module.

In view of the foregoing, it is respectfully requested that the aforementioned anticipation rejection of claims 1-3, 6-11, 13, 19-29, 33-41, 45-51 and 53-57 be withdrawn.

IV. THE OBVIOUSNESS REJECTION OF CLAIMS 4, 5, 12, 14, 15, 16-18, 30-43, 42-44 and 52

On page 15 of the Office Action, claims 4, 5, 15, 16-18, 42-44 and 52 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Svedberg et al. (U.S. Patent No. 5,408,218).

On page 19 of the Office Action, claims 12, 14 and 30-32 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Svedberg et al. and Dev et al. (U.S. Patent No. 5,261,044). These rejections are hereby respectfully traversed.

As stated in MPEP § 2143, to establish a prima facie case of obviousness, three basic criteria must be met. First, there must be some suggestion or motivation, either in the references themselves or in the knowledge generally available to one of ordinary skill in the art, to modify the reference or to combine reference teachings. Second, there must be a reasonable expectation of success. Finally, the prior art reference (or

references when combined) must teach or suggest all the claim limitations. The teaching or suggestion to make the claimed combination and the reasonable expectation of success must both be found in the prior art, not in applicant's disclosure. In re Vaeck, 947 F.2d 488, 20 USPQ2d 1438 (Fed. Cir. 1991).

Applicant respectfully submits that the pending obviousness rejection of claims 4, 5, 12, 14, 15, 16-18, 30-43, 42-44 and 52 are overcome by the arguments presented above in connection with claim 1, 21, 28, 37, 38, 50, 51, and 55-57, from which claims 4, 5, 12, 14, 15, 16-18, 30-43, 42-44 and 52 depend.

In view of the foregoing, it is respectfully requested that the aforementioned obviousness rejection of claims 4, 5, 12, 14, 15, 16-18, 30-43, 42-44 and 52 be withdrawn.

V. CONCLUSION

In view of the foregoing, it is respectfully submitted that the present application is in condition for allowance, and an early indication of the same is courteously solicited. The Examiner is respectfully requested to contact the undersigned by telephone at the below listed telephone number, in order to expedite resolution of any issues and to expedite passage of the present application to issue, if any comments, questions, or suggestions arise in connection with the present application.

To the extent necessary, a petition for an extension of time under 37 CFR § 1.136 is hereby made.

Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account No. 50-0206, and please credit any excess fees to the same deposit account.

Respectfully submitted,

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APPENDIX A

Please amend the specification as follows:

Replace the paragraph appearing on Page 1, lines 3-9 with the following paragraph:

The subject matter of this application is related to the subject matter of co-pending U.S. Patent application serial numbers 09/750,305 (Attorney Docket No. 56130.000042), 09/750,303 (Attorney Docket No. 56130.000041), 09/749,938 (Attorney Docket No. 56130.43), and 09/749,937 (Attorney Docket 56130.000045), entitled "System and Method for Managing a Component-Based System," "Method and System for Integrated Resource Management," "System and Method for Flexible Network Service Application Components," and "Method and System for Distributing Services," respectively, each filed the same day as this application and each being assigned or under obligation of assignment to the same assignee as this application, and each also incorporated by reference.

APPENDIX B

1. (Original) A system for managing a component-based system, comprising:

one or more application components, each of the components associated with a managed object representation comprising management logic of the component; and

a management core providing a managed object view of each managed object and allowing manipulation of management attributes of each managed object through at least one predetermined event policy

wherein when a predetermined event is reported in association with one of the components, an associated event policy of the at least one predetermined event policy is performed.

2. (Original) The system of claim 1 further comprising a management framework including the managed objects and supporting a variety of access mechanisms to the managed object.

3. (Original) The system of claim 2 further comprising at least one management application associated with the management framework performing management functions on the managed object wherein performance of one of the at least one

predetermined event policy causes performance of a predetermined one of the at least one management application.

4. (Original) The system of claim 3 wherein the management attributes comprises component dependency and the at least one management application comprises a dependency management application, the dependency management application causing performance of a second management event policy on a second component dependent on a first component if a first management event policy is performed on the first component.

5. (Original) The system of claim 4 wherein the first management event policy comprises at least one of: a state change, a status change and an alarm report of the first component.

6. (Original) The system of claim 1 wherein the management attributes comprise at least one of: ability to provide service, usage of the component, degree to which the component is allowed to provide service, status and alarm attributes.

7. (Original) The system of claim 1 wherein the predetermined event is a fault and the associated event policy is a fault management event policy.

8. (Original) The system of claim 7 wherein the fault

management event policy comprises current status maintenance.

9. (Original) The system of claim 1 wherein the predetermined event is an alarm and the associated event policy is an alarm reporting function.

10. (Original) The system of claim 1 wherein the management attributes comprise component dependency status.

11. (Original) The system of claim 1 further comprising at least one metric associated to the managed object wherein the at least one metric may be used to measure performance attributes of the component.

12. (Original) The system of claim 1 wherein the at least one predetermined event and the associated event policy may be edited.

13. (Original) The system of claim 1 wherein the at least one predetermined event and the associated event policy are configured into the managed object view of the component.

14. (Original) The system of claim 13 wherein the at least one predetermined event and the associated event policy are configured using a management editor tool.

15. (Original) The system of claim 1 wherein the management attributes comprise state and component dependency

wherein a predetermined dependency event policy is performed on a first component based on the state of a second component upon which the first component is dependent..

16. (Original) The system of claim 15 wherein the dependency event policy comprises startup of the first component.

17. (Original) The system of claim 15 wherein the dependency event policy comprises shutdown of the first component.

18. (Original) The system of claim 15 wherein the dependency event policy comprises rerouting the dependency of the first component.

19. (Original) The system of claim 1 wherein the system is a telephony network.

20. (Original) The system of claim 1 wherein the system is a hybrid network.

21. (Original) A system for managing a component-based system, comprising:

one or more application components, each of the components associated with a managed object representation comprising management logic of the component; and

a management framework including the managed objects and a management event concentrator and allowing manipulation of management attributes of each managed object through at least one predetermined event policy.

22. (Original) The system of claim 21 wherein the managed object comprises a managed object interpreter and at least one management component, each management component including one of the management attributes.

23. (Original) The system of claim 21 wherein each managed object in the system sends management events to the management event concentrator.

24. (Original) The system of claim 23 further comprising at least one manager module coupled to the management event concentrator wherein each manager module monitors a specific management attribute for the system.

25. (Original) The system of claim 24 further comprising a management layer including the at least one manager module and at least one node specific management application programming interface ("API") wherein each manager module reports management information to a node specific element management system through the node specific API.

26. (Original) The system of claim 21 wherein each

managed object and each management component comprise an identifier to allow the management system to access specific management components.

27. (Original) The system of claim 26 wherein the identifiers are mapped into a single tree structure.

28. (Original) A method of managing a component-based system comprising:

retrieving a record associated with a component;

establishing component events for managing the component;

selecting at least one event policy from a event policies storage area; and

associating at least one component event to each selected event policy to configure the component creating a network application, which may include additional configured components,

wherein the associated event policy is performed in the component based system if the at least one component event occurs.

29. (Original) The method of claim 28 further comprising storing the network application in an application model storage area.

30. (Original) The method of claim 28 wherein associating

the component event to the selected event policy comprises associating the component event to the selected event policy using a management editor tool.

31. (Original) The method of claim 28 further comprising editing the at least one event.

32. (Original) The method of claim 28 further comprising editing the associated event policy.

33. (Original) The method of claim 28 further comprising associating the at least one component to a managed object representation in a management framework wherein the managed object representation is associated with the associated event policy.

34. (Original) The method of claim 28 further comprising associating the component with a management framework coupled to at least one management application performing a management functions wherein performance of the associated event policy causes performance of a predetermined one of the at least one management application.

35. (Original) The method of claim 28 further comprising manipulating management attributes of the component through the associated event policy wherein the management attributes comprise at least one of: ability to provide service, usage of

the component, degree to which the component is allowed to provide service, status and alarm attributes.

36. (Original) The method of claim 28 wherein the event policy comprises one of: a state change, a status change and an alarm report.

37. (Original) A system for managing a component-based system comprising:

means for retrieving a record associated with a component;

means for establishing component events for managing the component;

means for selecting at least one event policy from a event policies storage area; and

means for associating at least one component event to each selected event policy to configure the component creating a network application, which may include additional configured components,

means for wherein the associated event policy is performed in the component based system if the at least one component event occurs.

38. (Original) A method of managing a component-based system, comprising:

a) receiving a report of an event from at least one component;

b) performing a management event policy associated with the event if the event matches an event stored in a managed object representation of the component; and

c) managing the at least one component using the result of the management event policy performed.

39. (Original) The method of claim 38 wherein performing the management event policy comprises manipulating management attributes of the component.

40. (Original) The method of claim 39 wherein manipulating the management attributes of the component comprises manipulating indicators of at least one of ability to provide service, usage of the component, degree to which the component is allowed to provide service, status and alarm attributes.

41. (Original) The method of claim 38 wherein managing the at least one component comprises performing a management application if the result of the management event policy performed matches a predetermined management event policy result.

42. (Original) The method of claim 41 wherein the

management event policy is a first management event policy and the component is a first component, and performing the management application comprises performing a second management event policy on a second component if the first management event policy is performed on the first component upon which the second component is dependent.

43. (**Currently Amended**) The method of claim 38 wherein the step of performing a management event policy comprises performing first and second management event policies associated with the event if the event matches an event stored in a managed object representation of the component, wherein the first management policy comprises performing at least one of a state change, a status change, an alarm report, a startup and a shutdown of the first component.

44. (**Currently Amended**) The method of claim [[38]] 43 wherein the second management event policy comprises performing one of a state change, a status change, an alarm report, a startup, a shutdown and rerouting the dependency of the second component.

45. (Original) The method of claim 38 wherein managing the at least one component comprises storing the result of the component event policy performed in a management aggregator and

performing a management event policy when the number of component event policy results stored in the management aggregator reaches a predetermined value.

46. (Original) The method of claim 38 wherein the event comprises a fault and performing the associated management event policy comprises performing a fault management event policy.

47. (Original) The method of claim 46 wherein performing a fault management event policy comprises updating a status of the component.

48. (Original) The method of claim 38 wherein the event comprises an alarm and performing the event policy comprises reporting the alarm.

49. (Original) The method of claim 38 further comprising measuring performance attributes of the component using the result of the management event policy.

50. (Original) A system for managing a component-based system, comprising:

means for receiving a report of an event from at least one component;

means for performing a management event policy associated with the event if the event matches an event stored in a managed

object representation of the component; and

means for managing the at least one component using the result of the management event policy performed.

51. (Original) A method of managing a component based system comprising:

registering at least one manager module to monitor a management event for the network;

receiving an event report from a first component;

performing an event policy associated with the event if the event matches a predetermined event policy triggering event;

transmitting a result of the event policy performance to the at least one manager module if the result of the event policy performance matches the management event monitored by the at least one manager module; and

using the result of the event policy performance to manage at least the first component and a second component associated with the first component.

52. (Original) The method of claim 51 further comprising:

connecting to a first managed object associated with the first component and a second managed object associated with the second component;

associating at least one event policy with at least one event of each of the first component and the second component; and

starting up the first component through the first managed object and the second component through the second managed object.

53. (Original) The method of claim 51 wherein receiving the event report comprises receiving the event report from a context-specific logic through a context-free management logic of the component.

54. (Original) A system for managing a component based system comprising:

means for registering at least one manager module to monitor a management event for the network;

means for receiving an event report from a first component;

means for performing an event policy associated with the event if the event matches a predetermined event policy triggering event;

means for transmitting a result of the event policy performance to the at least one manager module if the result of the event policy performance matches the management event

monitored by the at least one manager module; and

means for using the result of the event policy performance to manage at least the first component and a second component associated with the first component.

55. (Original) A computer readable medium, the computer readable medium storing computer readable code executable to perform a method for managing a component-based system comprising:

retrieving a record associated with a component;

establishing component events for managing the component;

selecting at least one event policy from a event policies storage area; and

associating at least one component event to each selected event policy to configure the component creating a network application, which may include additional configured components,

wherein the associated event policy is performed in the component based system if the at least one component event occurs.

56. (Original) A computer readable medium, the computer readable medium storing computer readable code executable to perform a method for managing a component-based system,

including at least one telephony resource, comprising:

a) receiving a report of an event from at least one component;

b) performing a management event policy associated with the event if the event matches a stored event; and

c) managing the at least one component using the result of the management event policy performed.

57. (Original) A computer readable medium, the computer readable medium storing computer readable code executable to perform a method for managing a component-based system comprising:

registering at least one manager module to monitor a management event for the network;

receiving an event report from a first component;

performing an event policy associated with the event if the event matches a predetermined event policy triggering event;

transmitting a result of the event policy performance to the at least one manager module if the result of the event policy performance matches the management event monitored by the at least one manager module; and

using the result of the event policy performance to manage

at least the first component and a second component associated with the first component.

58. **(New)** The system of claim 1 wherein at least one management module is configured to communicate with each management object through a management event concentrator.

59. **(New)** The system of claim 21 wherein each management object is configured to communicate with at least one management module through the management event concentrator.

60. **(New)** The method of claim 28 further comprising the step of managing component events through at least one management module configured to communicate with at least one managed object associated with the component, the communication occurring through a management event concentrator.

61. **(New)** The system of claim 37 further comprising means for managing component events through a management event concentrator.

62. **(New)** The method of claim 38 wherein the step of managing the at least one component is performed by at least one management module configured to communicate with the at least one component through a management event concentrator.

63. **(New)** The method of claim 50 wherein management of the at least one component occurs through a management event

concentrator.

64. **(New)** The method of claim 51 wherein the at least one manager module is configured to communicate with the first and second components through a management event concentrator.

65. **(New)** The system of claim 54 wherein the at least one manager module is configured to communicate with the first and second components through a management event concentrator.

66. **(New)** The computer readable medium of claim 55 further comprising the step of managing component events through at least one management module configured to communicate with at least one managed object associated with the component, the communication occurring through a management event concentrator.

67. **(New)** The computer readable medium of claim 56 wherein management of the at least one component occurs through a management event concentrator.

68. **(New)** The computer readable medium of claim 57 wherein the at least one manager module is configured to communicate with the first and second components through a management event concentrator.